

# 第二十九屆電腦視覺、圖學暨影像處理研討會(CVGIP 2016)

## 會議議程表

8月15日(星期一)					
時間	議程內容				
08:30   17:00	報到及註冊 (3F)				
09:20   10:45	湘宴廳 (3F)				
	電腦視覺前瞻研究國際研討會				
10:45   11:15	茶敘				
11:15   12:30	湘宴廳 (3F)				
	電腦視覺前瞻研究國際研討會				
12:30   14:00	午餐 (註冊電腦視覺前瞻研究國際研討會者提供日式餐盒)				
14:00   15:15	湘宴廳 (3F)	Session C1	Session D1	Session E1	Session F1
	電腦視覺前瞻研究國際研討會	Computer Graphics Workshop (CGW)	Watermarking and Security	Detection and Localization	影像/視訊產學技術發表會
		<u>主持人</u> 賴佑吉 教授 姚智原 教授	<u>主持人</u> 曾易聰 博士 許朝詠 博士	<u>主持人</u> 涂瀟琰 教授 黃世勳 教授	<u>主持人</u> 賴文能 教授
15:15   15:45	茶敘				
15:45   17:00	湘宴廳 (3F)	Session C2	Session D2	Session E2	Session F2
	電腦視覺前瞻研究國際研討會	Medical Imaging	Image/Video Coding and Compression	Image Enhancement and Measurement	影像/視訊產學技術發表會
		<u>主持人</u> 張瑞峰 教授	<u>主持人</u> 陳美娟 教授 蘇柏齊 教授	<u>主持人</u> 丁建均 教授	<u>主持人</u> 賴文能 教授
17:00	自由活動				

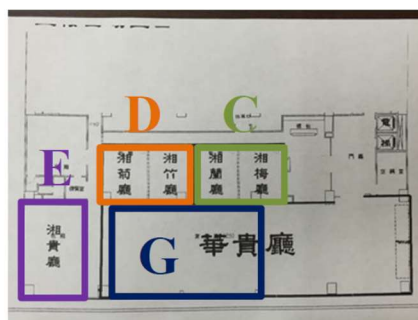
8 月 16 日(星期二)						
08 : 30   17 : 00	報到及註冊 (3F)					
08 : 50   09 : 50	IPPR 會員大會暨 CVGIP 2016 開幕典禮 (3F 湘宴廳)					
09 : 50   10 : 40	專題演講(一) : Trends and Prospects for Computer Vision Speaker: Prof. Larry Davis, University of Maryland, USA 引言人: 洪一平 教授					
10 : 40   11 : 10	茶敘					
11 : 10   12 : 00	專題演講(二): Interpreting Neural Semantics in Deep Models Speaker: Prof. Xiaogang Wang Chinese University of Hong Kong, Hong Kong SAR, China 引言人: 賴尚宏 教授					
12 : 00   14 : 00	午餐 (需購買午餐卷)					
14 : 00   15 : 15	Session A3	Session G3	Session C3	Session D3	Session E3	Session F3
	Deep Learning 1  <u>主持人</u> 傅楸善 教授 孫 民 教授	IPPR 博碩士 論文獎暨發表  <u>主持人</u> 賴尚宏 教授 陳永昇 教授	TAICHI  <u>主持人</u> 朱宏國 教授 王浩全 教授	Image Segmentation  <u>主持人</u> 李建興 教授 石昭玲 教授	科技部新進人 員研習會  <u>主持人</u> 范國清 教授	設計銀髮族專 屬資通訊設備 專案成果展 & 科技部成果海 報發表 <u>主持人</u> 張傳育 教授
15 : 15   15 : 45	茶敘					
15 : 45   17 : 00	Session A4	Session G4	Session C4	Session D4	Session E4	Session F4
	Deep Learning 2  <u>主持人</u> 徐繼聖 教授 栗永徽 教授	Clustering and Classification  <u>主持人</u> 陳煥宗 教授 劉耿豪 教授	Multimedia Signal Processing  <u>主持人</u> 邱志義 教授	Advanced Multimedia Applications  <u>主持人</u> 康立威 教授	3D Reconstruction /Processing  <u>主持人</u> 黃春融 教授 胡敏君 教授	設計銀髮族專 屬資通訊設備 專案成果展 & 科技部成果海 報發表 <u>主持人</u> 張傳育 教授
18 : 30   20 : 30	晚宴 及 CVGIP 2017 說明會(3F 湘宴廳)					

8月17日(星期三)				
時間	議程內容			
08:30   11:00	報到及註冊 (3F)			
09:00   10:15	Session A5	Session B5	Session C5	Session D5
	Multimedia Application and Technology 1	Deep Learning	Image Processing and Applications 1	Technology with Emerging Camera
	主持人 江政欽 教授 王才沛 教授	主持人 朱威達 教授	主持人 莊政宏 教授 葉梅珍 教授	主持人 陳冠文 教授
10:15   10:45	茶敘			
10:45   12:00	Session A6	Session B6	Session C6	Session D6
	Multimedia Application and Technology 2	Advanced Techniques in Industry Applications	Image Processing and Applications 2	Medical/Biomedical Image Processing and Applications
	主持人 方文聘 教授 江振國 教授	主持人 夏至賢 教授	主持人 陳建中 教授 黃于飛 教授	主持人 林維暘 教授 劉偉名 教授

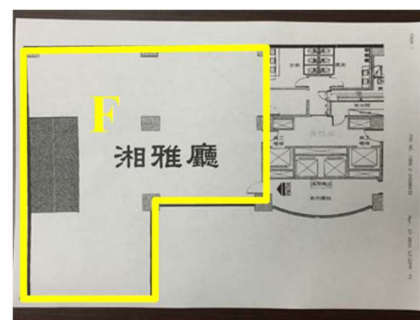
### 議程會議室：



3F



5F



2F

會議室 A: 3樓湘宴廳

會議室 C: 5樓湘梅、蘭廳

會議室 E: 5樓湘貴廳

會議室 G: 5樓華貴廳

會議室 B: 3樓湘園廳

會議室 D: 5樓湘竹、菊廳

會議室 F: 2樓湘雅廳

<b>Session C1: Computer Graphics Workshop (CGW)</b>		
主持人:賴祐吉 教授、姚智源 教授 地點:湘梅、蘭廳(5F) 時間:14:00–15:15, 2016/08/15		
C1-1:	2.5D 卡通頭髮建模與操作 (ss-1-1) 葉智國, 普迪 庫馬 亞拉曼, 劉曉培, 傅志榮, 李同益	
C1-2:	互動式影片擬真編輯 - 利用稀疏點結構 (ss-1-2) Chia-Sheng Chang, Hung-Kuo Chu	
C1-3:	即時生成 360 度虛擬實境全景影片之中央窩影像串接法 (ss-1-3) 李維哲, 陳心怡, 陳明軒, 陳炳宇	
C1-4:	基於網格重構的向量圖嵌入至三維模型表面 (ss-1-4) 郭鴻年, 陳光奕, 李政其, 姚智原, 賴祐吉	
C1-5:	簡單網格之漫畫向量化 (ss-1-5) 陳奕佑, 洪仕軒, 李國維, 姚智原, 賴祐吉	

<b>Session D1: Watermarking and Security</b>		
主持人:曾易聰 博士、許朝詠 博士 地點:湘竹、菊廳(5F) 時間:14:00–15:15, 2016/08/15		
D1-1:	PROGRESSIVE VISUAL CRYPTOGRAPHY AND ITS APPLICATIONS (#15) Yi-Chong Zeng (曾易聰)	
D1-2:	AN IMPROVEMENT ON HIDING BITMAP IMAGES BY RUN-LENGTH ENCODING COUPLED WITH SEGMENT DISTRIBUTION (#20) Rey-Sern Lin (林瑞盛), Shih-Huang Yang (楊世煌)	
D1-3:	A SIGNIFICANTLY VISIBLE AND REVERSIBLE IMAGE WATERMARKING SCHEME (#34) Chien-Chang Chen (陳建彰), Hsin-Cheng Yeh (葉信呈), Wei-Yu Lu (盧威宇)	
D1-4:	A STREAM CIPHER BASED ON IMPROVED COUPLED MAP LATTICES (#48) Shyi-Tsong Wu (吳錫聰), Sheng-Kai Hsieh (謝勝凱), Cho-Chin Lin (林作俊), Tung-Tsun Lee (李棟村)	
D1-5:	A MUTI-LAYER REVERSIBLE INFORMATION HIDING FOR COLOR IMAGES (#77) I-Hui Pan (潘宜輝), Te-Jen Chang (張德仁)	

<b>Session E1: Detection and Localization</b>		
主持人:涂靜琨 教授、黃世勳 教授 地點:湘貴廳(5F) 時間:14:00–15:15, 2016/08/15		
E1-1:	A NIGHTTIME LANE DETECTION ALGORITHM USING SEVERAL SIGNAL PROCESSING TECHNIQUES (#4) Su-Ling Lee (李素玲), Chien-Cheng Tseng (曾建誠)	
E1-2:	Text Localization Using Feature Point Information (#8) Chien-Cheng Lee (李建誠), Shang-Fei Shen (沈尚霏), Quan-Ting Lin(林冠廷)	
E1-3:	SMART CITY: AUTOMATIC VEHICLE COUNTING AND CLASSIFICATION SYSTEM BASED ON BACK-PROPAGATION ALGORITHM (#35) Chung-I Huang, Chien-Hao Tseng, Fang Pang Lin, Hsiao Pei Tasi	
E1-4:	HIERARCHICAL CLASSIFIER USING LBP ENCODING FOR THERMAL PEDESTRIAN DETECTION (#46) You-Chen Liu (劉祐辰), Shih-Shinh Huang (黃世勳), Feng-Chia Chang (張峰嘉), Ching-Hu Lu (陸敬互)	
E1-5:	THE SPEED-LIMIT SIGN DETECTION AND RECOGNITION SYSTEM (#69) Kuo-Hsin Tu (塗國星), Chiou-Shann Fuh (傅楸善)	



	孫士韋 教授, 國立臺北藝術大學 張寶基 教授, 國立中央大學
F1-19	Imaging Solution in Mobile Phone 周宏隆 資深技術處長, 華晶集團-聚晶半導體
F1-20	遠距多人非接觸式生理信號量測 陳敦裕 教授, 元智大學

<b>Session C2: Medical Imaging</b>	
主持人:張瑞峰 教授 地點:湘梅、蘭廳(5F) 時間:15:45–17:00, 2016/08/15	
C2-1:	REALISTIC ULTRASOUND VOLUME RECONSTRUCTION FROM TWO ORTHOGONAL VIEWS FOR SURGICAL TRAINING SYSTEM (ss-4-1) Bo-I Chuang (莊柏逸), Ting-Li Shen (沈庭立), Chia-Lung Li (李佳龍), I-Ming Jou (周一鳴), Yung-Nien Sun (孫永年)
C2-2:	SEMI-AUTOMATED HYPERSPECTRAL MAGNETIC RESONANCE IMAGE CLASSIFICATION OF BRAIN TISSUES AND WHITE MATTER LESIONS (ss-4-2) Hsian-Min Chen (陳享民), Jyh-Wen Chai (蔡志文), Clayton Chi-Chang Chen(陳啟昌), Chu-Jing Song (宋秋瑾), Pau-Choo Chung (詹寶珠), Chein-I Chang(張建禕)
C2-3:	MEDICAL IMAGE SEGMENTATION BASED ON CONTRACTION PROCESS (ss-4-3) Jia-Hao Syu (許家豪), Sheng-Jyh Wang (王聖智), Li-Chun Wang (王蒞君)
C2-4:	GESTURE MEASUREMENT FOR REHABILITATION SYSTEMS (ss-4-4) Chiao-Chien Huang (黃喬健), Chih-Yang Lin (林智揚), Wei-Yang Lin (林維暘)
C2-5:	MULTI-MODAL ALIGNMENT OF 3D CT AND 3D MR (ss-4-5) Eric Budiman Gosno, Ching-Wei Wang
C2-6:	COMPUTER AIDED DIAGNOSIS FOR BREAST ULTRASOUND (ss-4-6) Ruey-Feng Chang (張瑞峰)

<b>Session D2: Image/Video Coding and Compression</b>	
主持人:陳美娟 教授、蘇柏齊 教授 地點: 湘竹、菊廳(5F) 時間:15:45–17:00, 2016/08/15	
D2-1:	FAST HEVC ENCODING BY BIMODAL RD-COST SEGMENTATION AND ACCURATE DETERMINATION OF EARLY TERMINATION AND EARLY SPLIT (#6) Kuang-Han Tai (戴光漢), Mei-Juan Chen (陳美娟), Jie-Ru Lin (林杰儒)
D2-2:	A REGION OF INTEREST BASED SURVEILLANCE VIDEO CODING (#16) Hung-Yi Chen (陳宏毅), Jian-Jiun Ding (丁建均), Chiou-Shann Fuh (傅楸善)
D2-3:	FAST CU DEPTH DECISION FOR HEVC (#36) Tzu-Chieh Lin (林子傑), Chia-Chun Hsieh (謝佳峻), Wei-Ju Chiang (江瑋儒), Jiann-Jone Chen (陳建中)
D2-4:	SHAPE ENCODING AND SHAPE ADAPTIVE PREDICTION FOR OBJECT ORIENTED IMAGE COMPRESSION (#49) Li-Ang Chen (陳立昂), Hung-Yi Chen (陳宏毅), Jian-Jiun Ding (丁建均)
D2-5:	QTL-BASED FAST DEPTH VIDEO CODING IN 3D-HEVC (#81) Chao-Chun Wu (吳昭俊), Jhih-You Deng (鄧智友), Jui-Chiu Chiang (江瑞秋)

<b>Session E2: Image Enhancement and Measurement</b>	
主持人: 丁建均 教授 地點:湘貴廳(5F) 時間:15:45–17:00, 2016/08/15	



E2-1:	DIGITAL COLOR IMAGE ENHANCEMENT METHODS USING VARIOUS COLOR SATURATIONS (#3) Chien-Cheng Tseng (曾建誠), Su-Ling Lee (李素玲), Cheng-Yu Wen (溫震宇)
E2-2:	IMAGE QUALITY ASSESSMENT BASED ON GRADIENT SENSITIVITY (#44) Li-Ang Chen (陳立昂), Jian-Jiun Ding (丁建均), Yi-Chen Li (李奕承)
E2-3:	ARE CORRELATION COEFFICIENTS RELIABLE PERFORMANCE INDICES FOR VISUAL QUALITY ASSESSMENT? (#61) Tsung-Jung Liu (劉宗榮), Kuan-Hsien Liu (劉冠顯), Hsin-Hua Liu (劉欣華), Soo-Chang Pei (貝蘇章)
E2-4:	Breast lesions detection using intra-voxel incoherent motion (IVIM-MRI) with AIHT contrast enhancement method (#66) Yu-Tzu Chang (張育慈), Po-Wen Huang (黃柏文), Si-Wa Chen (陳詩華), Dah-Cherng Yeh (葉大成), Yung-Chieh Chang (張詠傑), Chein-I Chang (張建禕), Jyh-Wen Chai (蔡志文), Clayton Chi-Chang Chen (陳啟昌), Hsian-Min Chen (陳享民), Yen-Chieh Ouyang (歐陽彥杰)
E2-5:	MULTIEXPOSURE IMAGE FUSION USING REFERENCE IMAGE SELECTION, DETAIL ENHANCEMENT, AND GHOST REMOVAL (#72) Yi-Jhen Wu (吳宜臻), Jin-Jang Leou (柳金章)

### Session A3: Deep Learning 1

主持人:傅楸善 教授、孫民 教授 地點:湘宴廳(3F) 時間:14:00–15:15, 2016/08/16	
A3-1:	BRAIN4VQA: VIDEO QUESTION ANSWERING VIA DEEP NETWORKS (#26) Kuo-Hao Zeng(曾國豪), Tseng-Hung Chen(陳增鴻), Ching-Yao Chuang(莊景堯), Yuan-Hong Liao (廖元宏), Juan Carlos Niebles, Min Sun (孫民)
A3-2:	USING DASHCAM VIDEOS TO ANTICIPATE ACCIDENTS (#30) Fu-Hsiang Chan (詹富翔), Yu-Ting Chen (陳玉亭), Yu Xiang (向宇), Min Sun (孫民)
A3-3:	SYMMETRIC-BASED UNSUPERVISED FEATURE LEARNING IN RGB-D IMAGES FOR SCENE CLASSIFICATION (#33) Jui-Yuan Su (蘇瑞元), Kuan-Lin Cheng (程冠霖), Shyi-Chyi Cheng (鄭錫齊), Tzu-Hao Hsu (許子豪)
A3-4:	OBJECT CO-SEGMENTATION WITH REGRESSION SIAMESE NETWORK (#55) Wei-Yu Chen (陳威宇), Chiou-Shann Fuh (傅楸善)
A3-5:	RELATING FACIAL ATTRACTIVENESS WITH FACIAL ATTRIBUTES – A DEEP LEARNING PERSPECTIVE (#73) Gee-Sern Hsu, You-Ran Chen, ArulMurugan Ambikapathi, Yan-Xiang Chen

### Session C3: TAICHI

主持人:朱宏國 教授、王浩全 教授 地點:湘梅、蘭廳(5F) 時間:14:00–15:15, 2016/08/16	
C3-1:	StructFeed: Soliciting Feedbacks from Crowds for Supporting Better Writing Structure (ss-2-1) Yi-Ching Huang, Hao-Chuan Wang, Jane Yung-jen Hsu
C3-2:	GLIMNAVI: AN OUTDOOR NAVIGATION SERVICE FOR THE VISUALLY IMPAIRED SMARTPHONE USERS (ss-2-2) I-Fang Wang, Hsuan-Eng Chen, Yi-Ying Lin, Chien-Hsing Chen, Neng-Hao Yu, Hsien-Hui Tang
C3-3:	探討虛擬實境中以觸控裝置打字之鍵盤視覺回饋設計 (ss-2-3)

	蘇柏瑋, 朱宏國
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Session D3: Image Segmentation	
主持人: 李建興 教授、石昭玲 教授      地點: 湘竹、菊廳(5F)      時間: 14:00–15:15, 2016/08/16	
D3-1:	PEDESTRIAN CONTOUR DETECTION BASED ON IMAGE SEGMENTATION (#23) Tai-Yuan Hsu (許泰源), Chiou-Shann Fuh (傅楸善)
D3-2:	ADAPTIVE GROWING AND MERGING ALGORITHM FOR HIGH ACCURACY IMAGE SEGMENTATION (#43) Hsuan-Yi Ko (柯宣亦), Jian-Jiun Ding (丁建均), Tzu-Chieh Lin (林子傑)
D3-3:	AUTOMATIC FLOWER REGION SEGMENTATION (#45) Shu-Yu Chuang (莊書瑜), Chang-Hsing Lee (李建興), Jau-Ling Shih (石昭玲)
D3-4:	IMAGE RESIZING BASED ON CONTENT SALIENCY AND REGION SEGMENTATION (#71) Cheng-Hung Chuang (莊政宏), Sung-Hsien Tsai (蔡松賢)
D3-5:	RAPID STEREO IMAGE SEGMENTATION USING PARALLEL COMPUTATION AND ITERATIVE NORMALIZED CUTS TECHNIQUES (#80) Wai-Wan Koc (郭慧芸), Chao-Yuan Chen (陳照元), Szu-Hao Huang (黃思皓)

Session F3: 科技部成果海報發表	
主持人:      地點: 湘雅廳(2F)      時間: 14:00–15:15, 2016/08/16	
F3-1:	應用於多重感測器整合於銀髮族長期照護系統之監控技術-總計畫暨子計畫一: 基於多重協同攝影機監控之3D人物定位、軌跡追蹤、與行為分析1/2 賴文能, 國立中正大學電機系, MOST104-2221-E-194-043-MY2
F3-2:	應用多重感測器整合於銀髮族長期照護系統之監控技術-子計畫二: 應用無線訊號於健康照護之室內人物追蹤研究(1/2) 黃敬群, 國立中正大學電機系, MOST104-2221-E-194-044-MY2
F3-3:	應用多重感測器整合於銀髮族長期照護系統之監控技術-子計畫三: 應用於銀髮族復健運動與娛樂之人與物件互動辨識深層學習方法 江振國, 國立中正大學資工系, MOST104-2221-E-194-045-MY2
F3-4:	應用多重感測器整合於銀髮族長期照護系統之監控技術-子計畫四: 指向性麥克風與全景攝影機實現居家生活日誌 1/2 陳自強, 國立中正大學電機系, MOST104-2221-E-194-046-MY2
F3-5:	應用多重感測器整合於銀髮族長期照護系統之監控技術-子計畫五: 基於巨量資料之人物行為分析系統 薛幼苓, 國立中正大學資工系, MOST104-2221-E-194-047-MY2

Session A4: Deep Learning 2	
主持人: 徐繼聖 教授、栗永徽 教授      地點: 湘宴廳(3F)      時間: 15:45–17:00, 2016/08/16	
A4-1:	DEEP LEARNING FOR INTEGRATED HAND DETECTION AND POSE ESTIMATION (#19) Min-Yu Wu (吳志諭), Tzu-Yang Chen (陳子揚), Li-Chen Fu (傅立成), Chiou-Shann Fuh (傅楸善)
A4-2:	DEEP CONVEX NMF INTEGRATING WITH CONVOLUTIONAL NEURAL



	NETWORKS FOR ON-ROAD OBSTACLE DETECTION (#21) Yu-Hsun Hsieh (謝宇勳), 1 Zong-Ying Shen (沈宗穎), 1 Min-Yu Wu (吳志諭) 1 Li-Chen Fu (傅立成), 2Pei-Yung Hsiao (蕭培壟), 3 Kuo-Ching Chang (張國清)
A4-3:	HUMAN SEGMENTATION WITH NVIDIA-TX1 (#12) Chun-Hsien Yu (余俊賢), Tang Lee (李唐), Chun-Wei Chen (陳俊偉), Meng-Ru Hsieh (謝孟儒), Chiou-Shann Fuh (傅楸善)
A4-4:	AUTOMATIC IRIS MASK GENERATION USING CONVOLUTIONAL NEURAL NETWORK (#51) Meng-Huan Li (李孟桓), Yung-Hui Li (栗永徽)
A4-5:	LEARNING HIERARCHICAL DISTRIBUTED FEATURES WITH DEEP CONVOLUTIONAL NEURAL NETWORK FOR FACIAL LANDMARK DETECTION (#82) Ya-Xu Liu, Shih-Yao Lin, Yan-Jing Lei, Yi-Ping Hung

#### Session G4: Clustering and Classification

主持人:陳煥宗 教授、劉耿豪 教授 地點:華貴廳(5F) 時間:15:45–17:00, 2016/08/16	
G4-1:	Action Segmentation and Recognition Based on Bag of Visual Words Model (#29) Guan-Jhih Chen (陳冠智), I-Cheng Chang (張意政), Hung-Yu Yeh (葉泓佑)
G4-2:	A SUPERVISED CLUSTERING METHOD FOR MEDICAL COMPUTED TOMOGRAPHY IMAGES USING HIERARCHICAL SUPPORT VECTOR MACHINES (#37) Yu-Chieh Lin (林毓潔), Jiunn-Lin Wu (吳俊霖), I-Chun Lee (李易俊), Chi-Hsiang Wu (吳其翔)
G4-3:	SPEAKER POSE DETECTION, RECOGNITION, AND TRACKING (#60) Yu-Shan Deng (鄧宇珊), Sei-Wang Chen (陳世旺)
G4-4:	ACTION CLASSIFICATION USING DATA MINING AND PAIRS OF SYMMETRICAL TRAJECTORIES (#67) Salah Alghyaline, Jun-Wei Hsieh, Hui-Fen Chiang, Cheng-Han Yang, Jui-Yu Lin
G4-5:	APPLICATION OF MODULARITY ON THE FEATURES OF IMAGES (#64) Kuan-Peng Chen (陳冠朋), Chun-Yu Lin (林俊鈺), Nan-Yow Chen (陳南佑)

#### Session C4: Multimedia Signal Processing

主持人:邱志義 教授 地點:湘梅、蘭廳(5F) 時間:15:45–17:00, 2016/08/16	
C4-1:	THE STUDY OF LUMA MODIFICATION FOR COMPRESSION RGB IMAGE (ss-7-1) Kuo-Liang Chung (鍾國亮), Tsu-Chun Hsu, Chi-Chao Huang (黃祺超)
C4-2:	SCORING OF MITOTIC CELLS OF BREAST CARCINOMA BASED ON COMPUTER-AIDED-DIAGNOSIS TECHNIQUES (ss-7-2) Chien-Chuan Ko (柯建全), Chi-Yang Chen (陳麒陽), Chun-Hung Lin (林俊宏), Kai-Sheng Liao (廖凱盛)
C4-3:	SHAPE-FIDELITY RETAINED DYNAMIC-HAND SEGMENTATION IN CLUTTER BACKGROUNDS USING SOLO-KINECT (ss-7-3) Din-Yuen Chan (章定遠), Jian-Kai Chen (陳建凱), Ji-Rong Wu (吳佶融)
C4-4:	MINIMAL QUANTIZATION LOSS-BASED FEATURE SELECTION FOR ASYMMETRIC DISTANCE COMPUTATION (ss-7-4) Chih-Yi Chiu (邱志義), Ri-Sheng Qiu (邱日聖)

## Session D4: Advanced Multimedia Applications

主持人:康立威 教授

地點:湘竹、菊廳(5F)

時間:15:45-17:00, 2016/08/16

D4-1:	GENDER RECOGNITION IN APPLICATIONS OF DIGITAL BILLBOARD BASED ON DEEP LEARNING ( <b>ss-5-1</b> ) Chuan-Yu Chang (張傳育), Wei-Chen Cao (曹瑋宸), Po-Chi Su (蘇柏齊)
D4-2:	DEFECT DETECTION FOR A STEEL TRAPEZOID PIPE BASED ON AUTOMATIC OPTICAL INSPECTION ( <b>ss-5-2</b> ) Hsien-Huang P. Wu, Yen-Tse Hsieh, Hong-Yi Guo
D4-3:	A REGION-OF-INTEREST DETECTION METHOD FOR CAMERA-CAPTURED IMAGES ( <b>ss-5-3</b> ) Hsiang-Min Li (李祥民), Guo-Shiang Lin (林國祥), Sin-Kuo Chai (蔡興國), Shu-Sheng Liaw (廖述盛)
D4-4:	EXTRACTING TREE RINGS FROM DISC BITMAP IMAGE ( <b>ss-5-4</b> ) Fu-Ming Yang (楊富名), ChinSu Lin (林金樹), Shih-Yu Chen (陳士煜), Li-Han Lin (林力瀚)
D4-5:	A DYNAMIC BACKLIGHT DIMMING ALGORITHM BASED ON THE DISTRIBUTION ANALYSIS OF HIGH BRIGHTNESS PIXELS ( <b>ss-5-5</b> ) Kyle Shih-Huang Lo (羅世煌), Jia-Ying Lin (林佳瑩), Chia-Hung Yeh (葉家宏)

## Session E4: 3D Reconstruction/Processing

主持人:黃春融 教授、胡敏君 教授

地點:湘貴廳(5F)

時間:15:45-17:00, 2016/08/16

E4-1:	3D Reconstruction of Solder Balls (#5) Yi-Bing Zhang (張易冰), Chiou-Shann Fuh (傅楸善), Hung-Yi Chen (陳弘毅), Cheng-Shi Wong (翁丞世), Tsung-An Hsieh (謝尊安)
E4-2:	INDOOR SCENE 3D RECONSTRUCTION (#17) Chen-Hao Wei, Shang-Yi Lin
E4-3:	USING MFI IN EGO-MOTION ESTIMATION FOR IMPROVED 3D RECONSTRUCTION (#76) Chen-Chi Chuang(莊振錡), Ting-Hsiang Huang(黃鼎翔), Yu-Mei Hong(洪郁媚), Jr-Jiun Lin(林芝君), Chia-Yen Chen(陳佳妍)
E4-4:	VISUALIZATION AND SART FOR 3D RECONSTRUCTION OF SOLDER BALLS (#39) Masatoshi Chang-Ogimoto (荻本雅俊), Chiou-Shann Fuh (傅楸善), Hung-Yi Chen (陳弘毅), Cheng-Shih Wong (翁丞世), Tsun-An Hsieh (謝尊安)
E4-5:	IDENTIFYING AND FILLING OCCLUSION HOLES ON PLANAR SURFACES FOR 3-D SCENE EDITING (#74) Chia-Wei Wang (王嘉瑋), Tzu-Chieh Yang (楊子頡), Sheng-Ho Chiang (江聖和), Tsaipai Wang (王才沛)

**Session F4: 科技部成果海報發表**

主持人:

地點:湘雅廳(2F)

時間:14:45-15:15, 2016/08/16

F4-1:	應用類神經網路於影像超解析以提高紋理資料庫比對效能研究 周昌民, 健行科技大學數位多媒體設計系, MOST104-2221-E-231-012
F4-2:	研製基於眼底影像特徵之預後分析系統 林維暘, 國立中正大學資訊工程學系, MOST104-2221-E-194-050

<b>Session A5: Multimedia Application and Technology 1</b>			
主持人:江政欽 教授、王才沛 教授		地點:湘宴廳(3F)	時間:9:00–10:15, 2016/08/17
A5-1:	AN ADAPTIVE STRATEGY TO MULTICAST MOST POPULAR CONTENT FOR NEAR VIDEO-ON-DEMAND SYSTEM (#25) Ru-Jen Lee (李如珍), Chi-He Chang (張致和), Chao-Wei Tseng (曾朝尉), Ye-Zhi Chen (陳耶至), Min-Chun Huang (黃敏純)		
A5-2:	AN INTERACTIVE AUGMENTED REALITY FURNITURE CUSTOMIZATION SYSTEM (#27) Tzu-Chien Young (楊子權), Shana Smith (陳湘鳳), Chih-Kai Yang (楊智凱), Chiou-Shann Fuh (傅楸善)		
A5-3:	DETECTING AND LOCATING PLAGIARISM OF MUSIC MELODIES BY PATH EXPLORATION OVER A BINARY MASK (#53) Mu-Syuan Sie (謝牧軒), Cheng-Chin Chiang (江政欽), Hsiu-Chun Yang (楊修俊)		
A5-4:	LOW-COMPLEXITY MULTI-OBJECT TRACKING AND ITS APPLICATIONS IN INTELLIGENT CONTROL SYSTEM (#57) Ching-Chin Yang (楊景欽), Tsung-Han Tsai (蔡宗漢)		
A5-5:	VISUAL LOCATION SEARCH USING SYMMELETS (#65) Chong-Po Liao, Jun-Wei Hsieh, Hui-Fen Chiang, Yun Tsao, Yu-Chi Shih		
A5-6:	AUTOMATIC SEGMENTATION AND SUMMARIZATION FOR VIDEOS TAKEN WITH SMART GLASSES (#75) Yen-Chia Chiu (邱彥嘉), Li-Yi Liu (劉禮毅), Tsaipei Wang (王才沛)		

<b>Session B5: Deep Learning</b>			
主持人:朱威達 教授		地點:湘園廳(3F)	時間:9:00–10:15, 2016/08/17
B5-1:	SIGN LANGUAGE RECOGNITION BASED ON CONVOLUTIONAL NEURAL NETWORKS (ss-3-1) Jhe-Wei Li, Tse-Yu Pan, Li-Yun Lo, and Min-Chun Hu		
B5-2:	A LEARNING-BASED TRACKING ALGORITHM FOR HAND GESTURE (ss-3-2) Jordi Sanchez-Riera, Shintami C. Hidayati, Kai-Lung Hua, Jen-Chieh Chiang, Wen-Huang Cheng		
B5-3:	DETECTION OF POLYPOIDAL CHOROIDAL VASCULOPATHY USING CONVOLUTION NEURAL NETWORK (ss-3-3) Chao-Liang Lu (盧昭亮), Wei-Yang Lin (林維暘), Chia-Ling Tsai (蔡佳玲), Shih-Jen Chen (陳世真)		
B5-4:	DEEP LEARNING BASED ACTIVITY RECOGNITION FOR SENSOR DATA (ss-3-4) Chih-Hsiang Yu (游智翔), Chen-Kuo Chiang (江振國)		

<b>Session C5: Image Processing and Applications 1</b>			
主持人:莊政宏 教授、葉梅珍 教授		地點:湘梅、蘭廳(5F)	時間:9:00–10:15, 2016/08/17
C5-1:	BALL GRID ARRAY INSPECTION WITH X-RAY IMAGES (#2) Hong-Yi Chen (陳弘毅), Chi-Fu Lin (林奇賦), Yuh-Hsuan Hsiung (熊育萱), Chiou-Shann Fuh (傅楸善)		
C5-2:	TEXTURE IMAGE RETRIEVAL BY USING TEXTURE AND COLOR FEATURES (#70) Cheng-Hung Chuang (莊政宏), Chin-Chou Chen (陳勁舟), Wei-Chih Shen (沈偉誌)		

C5-3:	IMPROVED DIRECTIONAL CUBIC CONVOLUTION IMAGE INTERPOLATION ALGORITHM BASED ON KITTLER-ILLINGWORTH MINIMUM ERROR THRESHOLDING (#42) Chia-Chun Hsu (徐嘉駿), Jian-Jiun Ding (丁建均), Chir-Weei Chang (張奇偉), Yen-Chang Wang (王嚴璋)
C5-4:	USING GENERALIZED MEDIAN TO COMPARE THE EFFICACY OF TWO DIFFERENT EDGE DETECTION METHODS – A PRE-STUDY (#52) 程大川, 陳昱丞
C5-5:	2D + 3D FACE MORPHING (#14) Yen-Cheng Liu (劉彥成), Pei-Hwai Ciou (邱沛淮), Chiou-Shann Fuh (傅楸善)

Session D5: Technology with Emerging Camera	
主持人:陳冠文 教授 地點:湘竹、菊廳(5F) 時間:9:00–10:15, 2016/08/17	
D5-1:	POSING VIEWPOINT AND DERIVING FOCAL LENGTH OF FISHEYE LENS CAMERA (#22) Chang-Jan Chang, Jia-Sheng Wang, Yuan-Hao, Lai, Ming-Hong Liao, Yi-kai Tien
D5-2:	VISUAL-INERTIAL EGO-POSITIONING FOR FLYING CAMERAS (#56) Qiao Liang (梁橋), Tian-Yi Shen (沈天翼), Meng-Hsun Chou (周孟勳), Kuan-Wen Chen (陳冠文), Hsin-Ruey Tsai (蔡欣叡), Yi-Ping Hung (洪一平)
D5-3:	CALIBRATION OF MULTIPLE DEPTH CAMERAS WITH NO OVERLAPPING REGION (#63) Shang-Yi Lin (林尚一), Chen-Hao Wei (魏震豪)
D5-4:	PREDICTION OF APPROACHING VEHICLES IN BLIND SPOTS BY USING A REAR-MOUNTED FISHEYE CAMERA (#10) Su-Kang Chou (周蘇剛), Daw-Tung Lin (林道通)
D5-5:	VIEW INTERPOLATION FOR VIDEO SEE-THROUGH HEAD-MOUNTED DISPLAY (#59) Chun-Jui Lai (賴儒睿), Ping-Hsuan Han (韓秉軒), Yi-Ping Hung (洪一平)

Session A6: Multimedia Application and Technology 2	
主持人:方文聘 教授、江振國 教授 地點:湘宴廳(3F) 時間:10:45–12:00, 2016/08/17	
A6-1:	VIDEO STABILIZATION WITH ROBUST PARTICLE FILTER AND VIRTUAL CAMERA MOVEMENT TRAJECTORY ANALYSIS (#11) Hsueh-Ying Lo (駱學穎), Daw-Tung Lin (林道通)
A6-2:	COMPARISONS BETWEEN ENHANCED BRUTE FORCE ALGORITHM AND HORN&SCHUNCK METHOD ON MOTION ESTIMATION (#13) Sheng-Hsuan Lin (林聖軒), Chiou-Shann Fuh (傅楸善)
A6-3:	DRAWEZONE: BRUSH SIMULATION IN PAINTING BASED ON EASILY ACCESSIBLE MOBILE PLATFORMS (#28) Yen-Chun Lee, Ze-Kang Lu, Ming Ouhyoung
A6-4:	IMAGE MODIFIED METHOD FOR MOVING LIGHT SHOW PROJECTOR (#47) Wen-Pinn Fang (方文聘), Jiu-Sheng Kuo (郭久陞), Chu-En Hsieh (謝竺恩)
A6-5:	LIGHT-TO-CAMERA COMMUNICATION FOR CONTEXT-AWARE MOBILE SERVICES IN EXHIBITS (#79) Xin-Lan Liao (廖歆蘭), Kun-Hsien Lin (林昆賢), Yi-Chang Wang (王亦璋), Lih-Guang Jang (張立光), Yi-Yuan Chen (陳一元), Chi-Neng Liu (劉啟能), Po-Yu Huang (黃博裕),

	Tai-Shen Ho (何台生)
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<b>Session B6: Advanced Techniques in Industry Applications</b>	
主持人:夏至賢 教授 地點:湘園廳(3F) 時間:10:45–12:00, 2016/08/17	
B6-1:	ADAPTIVE STRUCTURE FEATURE METHOD FOR ASSISTED FORKLIFT PALLET DETECTION ( <b>ss-6-1</b> ) Jia-Liang Syu (徐嘉良), Hsin-Ting Li (李信廷), Jen-Shiun Chiang (江正雄), Chih-Hsien Hsia (夏至賢), Ting-Yu Lin (林庭宇)
B6-2:	EFFICIENT MOTION CORRECTION METHOD FOR BASKETBALL PLAYER FIELD GOAL SHOOTING POSTURES ( <b>ss-6-2</b> ) Chih-Hsien Hsia (夏至賢), Chin-Hsiang Chien (簡晉翔), Hao-Wei Hsu (許昊威), Jen-Shiun Chiang (江正雄)
B6-3:	Fusion of Deep Learning and Compressed Domain features for Content Based Image Retrieval ( <b>ss-6-3</b> ) Jing-Ming Guo (郭景明), Chi-Yi Wu(吳哲逸)
B6-4:	AN EFFICIENT ENERGY SAVING APPROACH FOR MOBILE VIDEO PROCESSING APPLICATION SYSTEMS ( <b>ss-6-4</b> ) Yen-Lin Chen (陳彥霖), Ming-Feng Chang (張銘峰), Wen-Yew Liang (梁文耀), Chao-Wei Yu (余兆偉), Bi-Cheng Luan (樂弼丞)

<b>Session C6: Image Processing and Applications 2</b>	
主持人:陳建中 教授、黃于飛 教授 地點:湘梅、蘭廳(5F) 時間:10:45–12:00, 2016/08/17	
C6-1:	REPRESENTATION OF IMAGE BY LOCAL SYMMETRY DECOMPOSITION ( <b>#9</b> ) Soo-Chang Pei(貝蘇章), Hsin-Ying Tasi (蔡馨瑩), Chiou-Shann Fuh (傅楸善)
C6-2:	POSITIONING-BASED IMAGE RETRIEVAL APPLICATION ( <b>#32</b> ) Qiao Liang (梁橋), Xiaobei Qian (錢曉蓓), Chiou-Shann Fuh (傅楸善)
C6-3:	A FAST CLOUD LARGE-SCALE IMAGE RETRIEVAL SYSTEM USING WEIGHTED-INVERTED INDEX AND DATABASE FILTERING ALGORITHM ( <b>#41</b> ) Shuo-Fu Yen (顏碩甫), Jiann-Jone Chen (陳建中), Yao-Hong Tsai (蔡耀弘)
C6-4:	RECTIFICATION FOR PHOTOGRAPHED DOCUMENTS USING FLASH AND NON-FLASHED IMAGES ( <b>#78</b> ) Chai-Chun Kuang (匡載君), Ming-Sui Lee (李明穗), Chun-Jung Chien (簡均容)
C6-5:	GENERATING STEREO-VIEWABLE OIL PAINTINGS FROM PHOTOGRAPH ( <b>#62</b> ) Bo-Ru Huang, Fay Huang, Ming-Hui Chiu, Jung-Chi Hung

<b>Session D6: Medical/Biomedical Image Processing and Applications</b>	
主持人:林維暘 教授、劉偉名 教授 地點:湘竹、菊廳(5F) 時間:10:45–12:00, 2016/08/17	
D6-1:	Computer-Aided Tumor Diagnosis using Shear Wave Breast Elastography ( <b>#7</b> ) Yao-Sian Huang (黃耀賢), Ruey-Feng Chang (張瑞峰), Yi-Ting Lin (林怡婷), Woo Kyung Moon (文宇光)
D6-2:	FUNDUS IMAGE ANALYSIS FOR VISION HEALTH CHECK USING HOUGH CIRCLE AND ADAPTIVE COLOR THRESHOLDING TECHNIQUES ( <b>#24</b> ) Yue-Min Jiang (蔣岳珉) and Jian-Ren Chen (陳建任) and Ho-Hsin Lee(黎和欣)
D6-3:	MEDICAL SHAPE FINDING WITH DEFORMABLE MODELS BASED ON 3D OBJECT SEGMENTATION BY RECONSTRUCTION ( <b>#31</b> )



	Wen-Hui Tseng (曾文慧), Shyi-Chyi Cheng (鄭錫齊), Chin-Lang Lin (林志朗)
D6-4:	A SOFTWARE TO RECONSTRUCT AND CONCATENATE SPECTRAL DOPPLER WAVEFORMS FROM SCREEN CAPTURED VIDEOS OF ULTRASONOGRAPHY (#54) Wei-Che Chien (簡偉哲), An-Bang Liu (劉安邦), Wei-Min Liu (劉偉名)
D6-5:	PREDICTION OF ISCHEMIC STROKE FOR AIDED DIAGNOSIS IN COMPUTED TOMOGRAPHY BRAIN IMAGES (#58) Yu-Ling Chou(周昱伶) , Chien-Hsun Li (李建勳), Hsiao-Wei Chu (朱效緯) ,Yung-Sung Lai (賴永崧), Po-Chin Chiou (邱伯晉), Yu-Shan Cai (蔡毓珊), Shu-Han Chan (詹舒涵), Hui-Ling Huang (黃慧玲), Shinn-Ying Ho (何信瑩)